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**Compelling Question:** How do Raleigh and Beijing approach their uses of solar energy?

**Introduction:**

# Claim 1:

Due to the two cities investment in solar energy research and their recent findings, collaboration between the two cities would be fruitful in promoting the use of and implementation of solar energy.

**Evidence:**

**“**With support from the World Bank, Beijing is installing 100 megawatts of rooftop solar PV systems in 800 primary and middle schools.” (<http://www.worldbank.org/en/news/feature/2014/09/30/solar-schools-to-help-build-green-cities>) While “in 2014 $652 million was invested on solar installations in North Carolina.” (<http://www.seia.org/state-solar-policy/north-carolina>)

In Beijing, there are many universities or institution with a focus on solar energy research, for example, Beijing University, Beijing Jiaotong University, Beijing Institute of Technology. (<http://en.coe.pku.edu.cn/>) The N.C. Clean Energy Technology Center has a mission “to establish an advanced training program for Local Education Institutions (LEI) to address a critical need for high-quality, local, and accessible training in solar electric system design, installation, sales, and inspection.” (<http://nccleantech.ncsu.edu/education-training/workforce-development-2/smapsit/>)

In Beijing two million students and teachers in schools across Beijing will have access to green electricity thanks to a renewable energy program supported by the local and central governments. (<http://www.worldbank.org/projects/P125022/cn-beijing-energy-efficiency-emission-reduction-demo?lang=en>) Recent findings show that in N.C. the majority of energy consumption is of coal while solar power & “Other Renewable” sources consumption is minimal. **(**[**http://www.eia.gov/state/?sid=NC#tabs-1**](http://www.eia.gov/state/?sid=NC#tabs-1))

**Reasoning:**

# Claim 2:

The differences in the local environment and government policies of each city and nation affects the number of companies conducting research which then affects the prosperity of the industry.

**Evidence:**

**Reasoning:**

# Claim 3:

Even though there are practical differences in the way that Raleigh and Beijing engage with solar energy, we believe that there will be a shift in the structures of the solar energy systems in the future.

**Evidence:**

**Reasoning:**

**Conclusion:**

# References